BTL

a guide to laser therapy

rehabilitation
orthopaedics
neurology
sports medicine

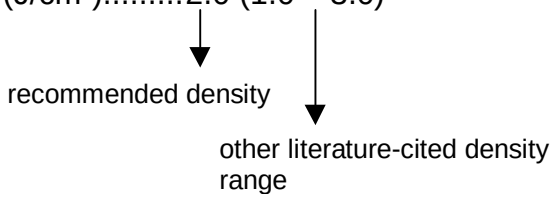
V5.01EN MK2000/02/24

List of Diagnoses:

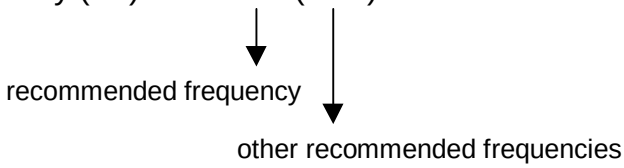
Achillodynie
Analgesia
Arthritis
Arthritis rheumatica
Arthritis uratica
Arthrosis
Bursitis
Calcar calcanei
Contusio
Decubitus
Distorsio
Enthesopathia
Epicondylitis
Haematoma
Chondropathia patelly
Induratio penis plastica
Ischialgia
Migraena
Morbus Dupuytrene
Myorelaxatio
Neuralgia
Oedema
Paresis nervi facialis
Sacralgia
Spina dorsalis
Spondylarthritis ancylopoetica
Sy. canali carpi
Sy. Tietz
Sy. vertebralis
Tendopathia
Tendovaginitis
Tinitus

Comments:

- Recommended density (J/cm^2).....2.0 (1.0 – 3.0)



- Recommended frequency (Hz).....10.0 (9.12)



- 1st part of therapy
  2nd part of therapy..... refers to therapy consisting of 2 different programs.

  - Therapy time at max. output (min.)..... therapy time in minutes if maximal output of probe and irradiated area 1cm^2 are set.
    Considered maximal output of red probe is 30 mW, infrared probe 200 mW.
    Warning! You must adjust the area value according to the size of irradiated area. Change of area will influence therapy time.

This Guide to laser therapy has been written in cooperation with top medical specialists in the field of laser therapy. It has been based on physicians' everyday experience with use of therapy lasers in their practice, as well as on publicly available articles and books on the subject.

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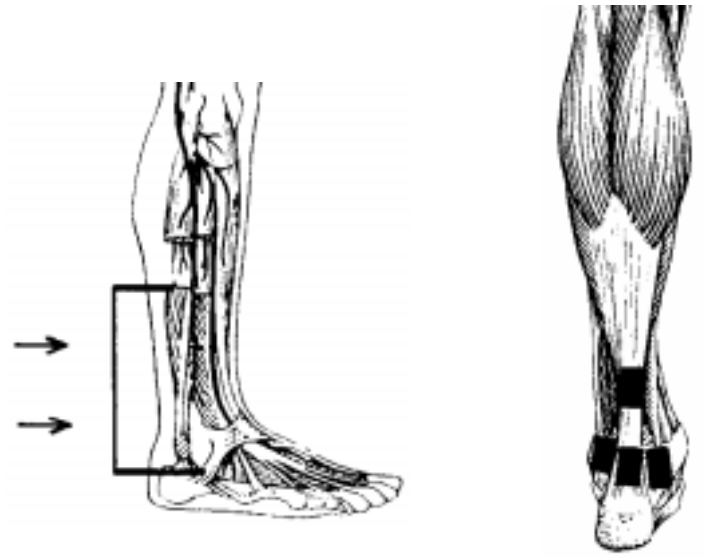
Diagnosis: **Achillodynie**

(painful Achilles tendon)

Programme No: 0700, 0701, 0900, 0901, 1000, 1001



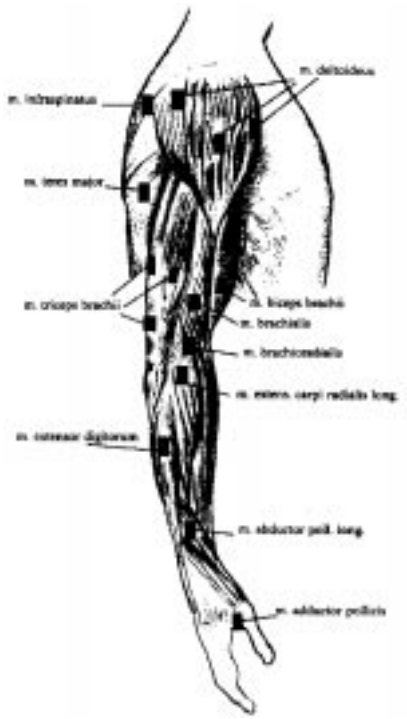
Recommended density (J/cm^2) - acuta - chronica	4.0 (2.0 – 6.0 – 8.0) lower limit higher limit
Recommended frequency (Hz)	cont. 1st part of therapy 10.0 (9.12) 2nd part of therapy
Therapy time at max. output (in min.)	0.20 + 0.25
Number of treatments per week - acuta	2 – 3 daily
Number of treatments total	8 - 10 (min. 5)
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

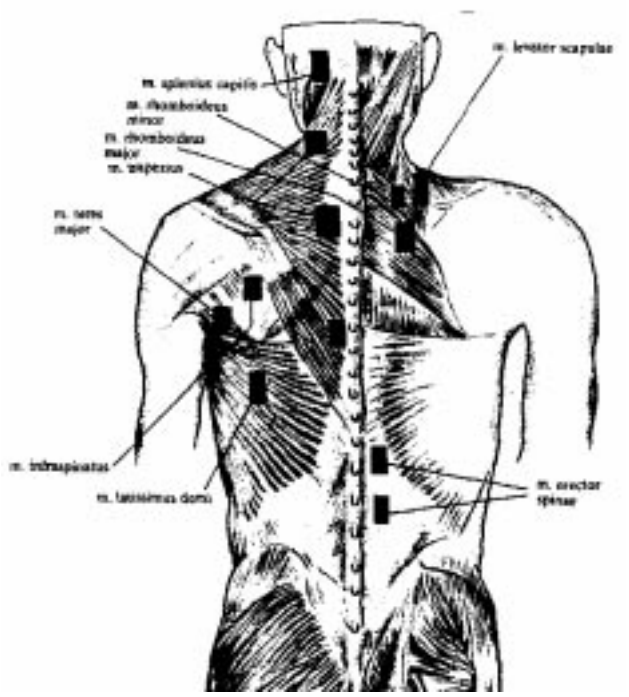
Comment:

- Irradiate as in post-surgical states or Haglund's exostosis.
- Laser therapy has an analgesic, anti-edema effect, and shortens wound healing.
- Analgesic effect is noticeable after the first session.
- Acute cases (sport injuries) irradiate daily.
- Therapy can be combined with magnetic pulse field or ultrasound.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: **Analgia**

Programme No: 0800





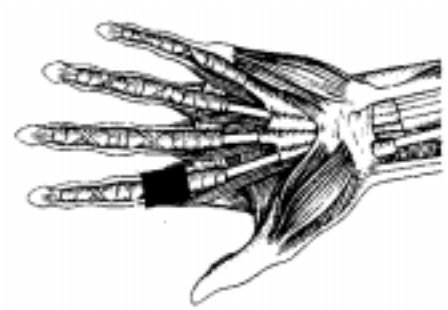
Recommended density (J/cm^2)	4.0
Recommended frequency (Hz)	10.0
Therapy time at max. output (in min.)	0.25
Number of treatments per week	daily
Number of treatments total	varies
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

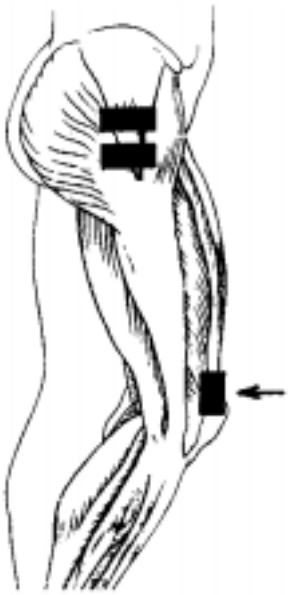
Comment:

- Irradiate trigger points.

Diagnosis: **Arthritis**

Programme No: 0702





Recommended density (J/cm^2)	4.0 (4.0 – 5.0)
Recommended frequency (Hz)	8.6
Therapy time at max. output (in min.)	0.25
Number of treatments per week	3
Number of treatments total	15 - 50
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

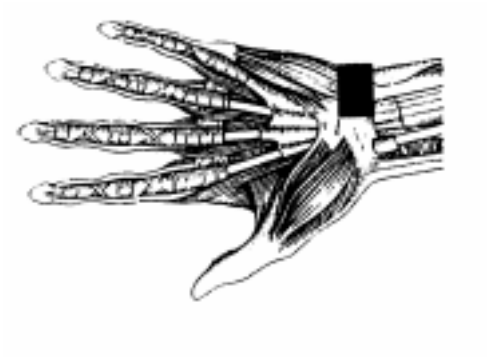
Comment:

- When irradiating at early stages of the disease, morning stiffness is eliminated, and joint mobility is extended. After additional irradiation, swelling decreases and further inflammation is reduced.
- Laser therapy, in combination with traditional medical treatment, can prevent or stop further development of the disease without any deformation occurring.
- In advanced stages, laser therapy reduces swelling and pain, and has an anti-fibrotic effect.

Diagnosis: Arthritis rheumatica

(rheumatoid arthritis)

Programme No: 0703, 0704



Recommended density (J/cm^2)	6.0 (4.0 – 8.0) 1st part of therapy 6.0 2nd part of therapy
Recommended frequency (Hz)	Cont. 1st part of therapy 9.12 2nd part of therapy
Therapy time at max. output (in min.)	0.30 + 0.38
Number of treatments per week	2
Number of treatments total	10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

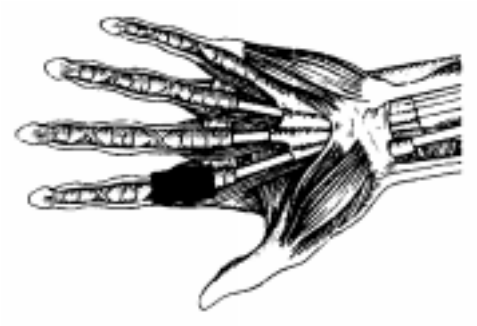
Comment:

- Laser therapy can also be used for other joints affected by rheumatoid diseases.
- Excellent clinical effect with patients using corticoids. Dosage of corticoids can usually be lowered or eliminated altogether.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: Arthritis uratica

(gout)

Pragramme No: 0705



Recommended density (J/cm^2)	4.0
Recommended frequency (Hz)	9.0
Therapy time at max. output (in min.)	1.51
Number of treatments per week	daily
Number of treatments total	varies
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

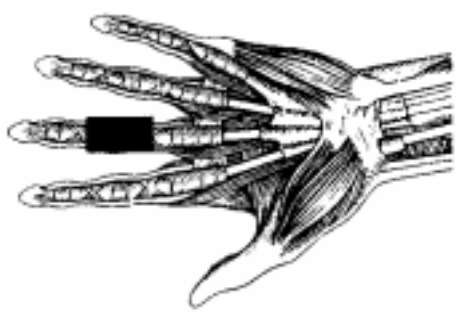
Comment:

- Acute stage: directly irradiate inflamed areas of the joint.
- Laser therapy has an analgesic, anti-inflammatory effect.

Diagnosis: **Arthrosis**

(non-inflammatory, degenerative joint disease)

Programme No: 0706, 0707



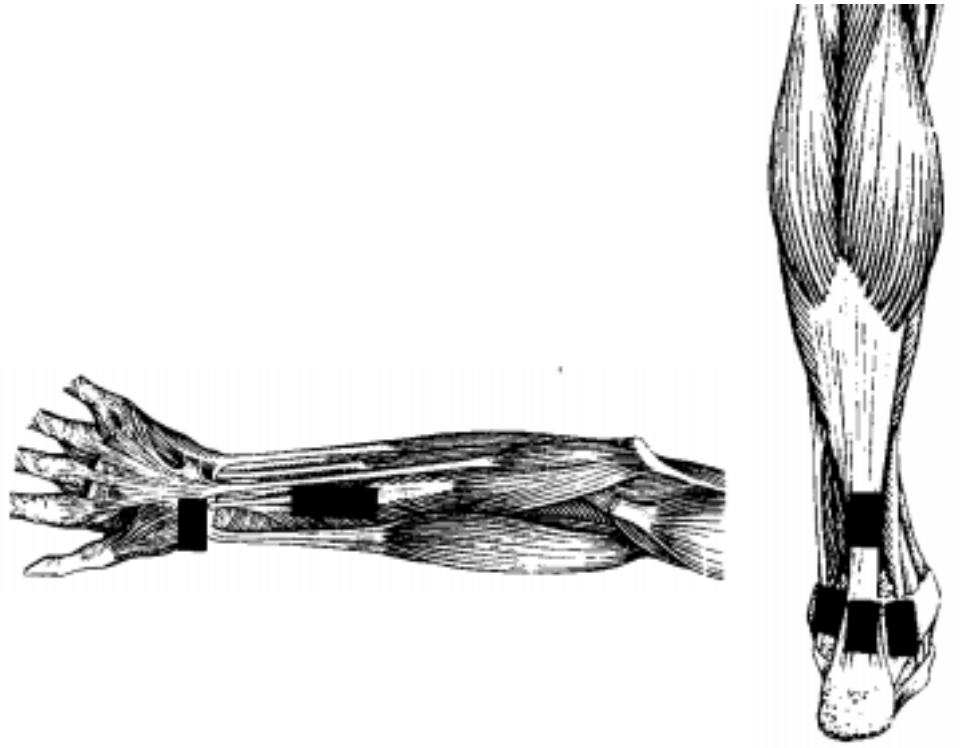
Recommended density (J/cm^2) smaller joints bigger joints	(6.0) 4.0 – 6.0 4.0 – 12.0
Recommended frequency (Hz)	cont. 1st part of therapy 10.0 2nd part of therapy
Therapy time at max. output (in min.)	0.30 + 0.38
Number of treatments per week	2 – 3
Number of treatments total	min. 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

Comment:

- Irradiate affected joint structure (Laser acupuncture can be used for trigger and acupuncture points, hyperalgesic zones, paravertebral points, as well as acupuncture points on the ear. Density: 1-3 J/cm^2).
- Acute pain: Use continuous mode and 5 Hz frequency in the same therapy session.
- Chronic pain: Use 10 Hz frequency.
- Laser therapy has an analgesic effect, and with rheumatism, an anti-inflammatory effect.
- Local application of non-steroid, anti-rheumatoid drugs are sometimes recommended.
- Clinical effect is best with smaller joints, such as in the hand or wrist. Treat deeply placed joints or joints of obese patients with higher density.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: **Bursitis**

Programme No: 0708, 0709, 0902, 0903



Recommended density (J/cm^2)	4.0 (4.0 – 5.0)
Recommended frequency (Hz)	cont. 1st part of therapy 9.12 2nd part of therapy
Therapy time at max. output (in min.)	0.20 + 0.25
Number of treatments per week	1 – 2
Number of treatments total	4 – 16
Recommended BTL probe	infrared
Recommended output of BTL probe	min. 200 mW

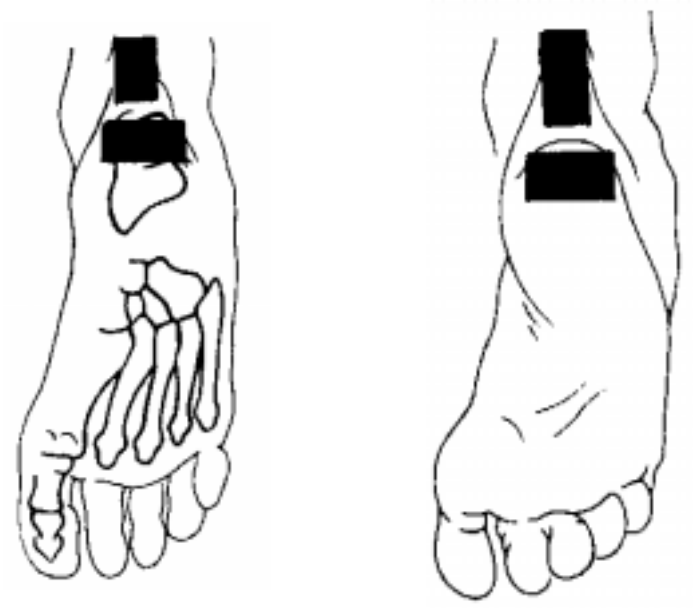
Comment:

- Irradiate the affected area.
- Laser therapy has an analgesic, anti-edema effect.
- Acute cases: irradiate daily.
- Combining the treatment with ultrasound is recommended.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: Calcar calcanei

(heel calcar)

Proramme No: 0710, 0711, 0801, 0802, 0904, 0905



Recommended density (J/cm^2)	3.0 (2.0 – 4.0)
Recommended frequency (Hz)	cont. 1st part of therapy 9.12 2nd part of therapy
Therapy time at max. output (in min.)	0.15 + 0.19
Number of treatments per week	2
Number of treatments total	6 – 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

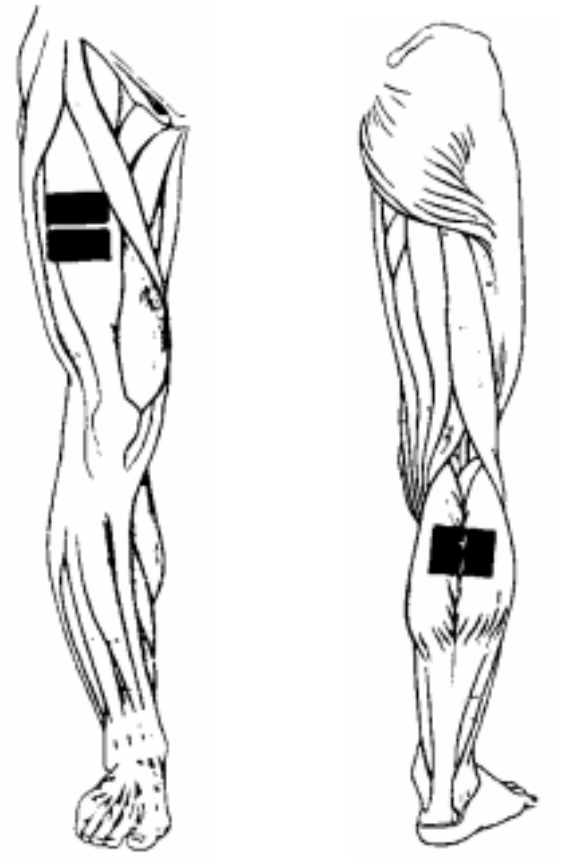
Comment:

- Laser therapy is successful with torpid states.
- Supplement therapy with shoe insoles.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: **Contusio**

(contusion)

Programme No: 0712, 1002



Recommended density (J/cm^2)	3.0 (2.0 – 4.0)
Recommended frequency (Hz)	10.0 (8.0)
Therapy time at max. output (in min.)	0.19
Number of treatments per week	5
Number of treatments total	5 – 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

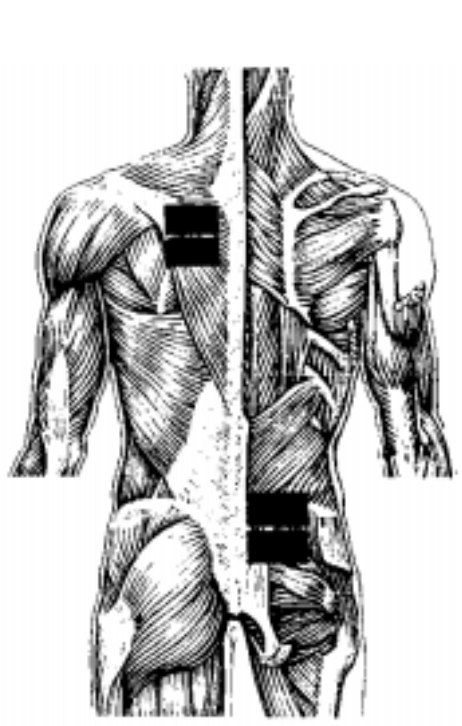
Comment:

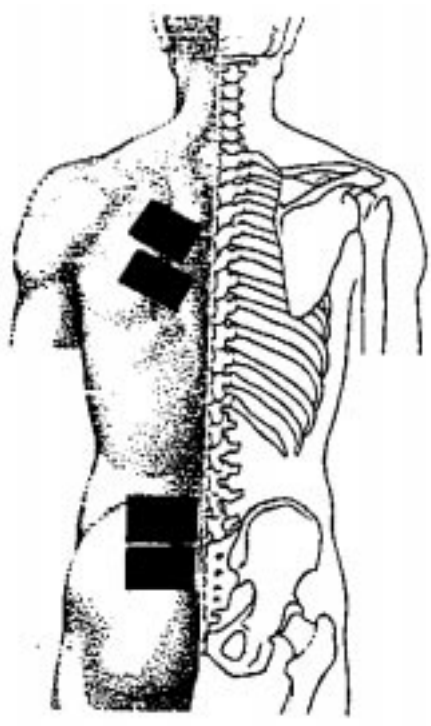
- Irradiate as soon as possible after injury, which hastens analgesic effect, prevents edema.
- When irradiation is applied immediately after injury, use density of 1.0 J/cm^2.
- Irradiate to decrease pain, edema and to absorb a hematoma.
- Use 8 Hz anti-edema frequency.

Diagnosis: **Decubitus**

(Decubit, bedsore)

Programme No: 0713





Recommended density (J/cm^2)	4.0 (3.0 – 5.0)
Recommended frequency (Hz)	6.0
Therapy time at max. output (in min.)	2.46
Number of treatments per week	daily
Number of treatments total	min. 1 – 2
Recommended BTL probe	red
Recommended output of BTL probe	30 mW

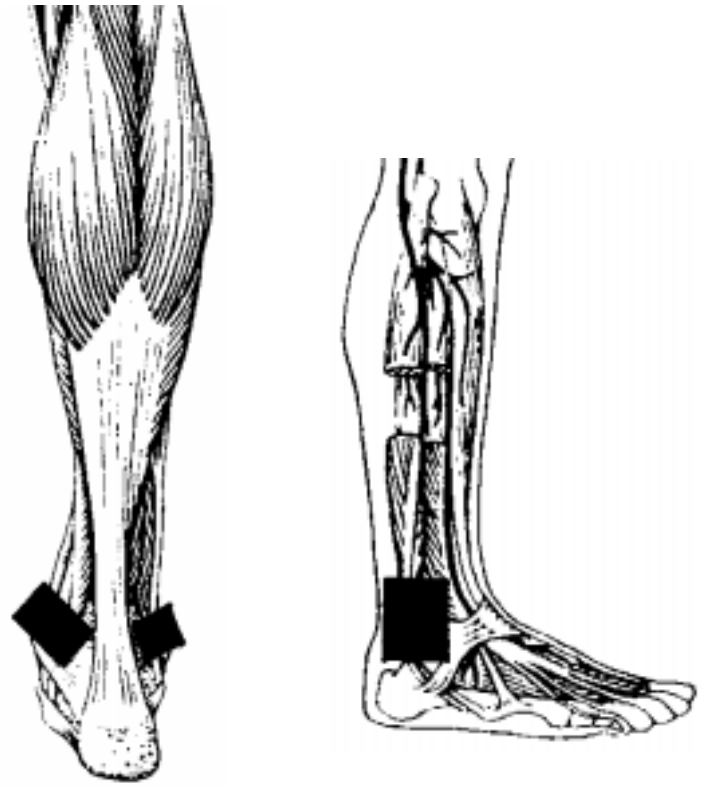
Comment:

- Laser therapy has an analgesic and healing effect.
- Chronic disease: daily irradiation is recommended.

Diagnosis: **Distorsio**

(distortion)

Programme No: 0714, 1003



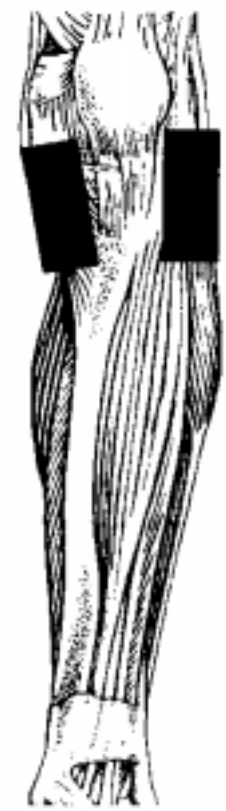
Recommended density (J/cm^2)	4.0
Recommended frequency (Hz)	10.0
Therapy time at max. output (in min.)	0.25
Number of treatments per week	daily
Number of treatments total	5 - 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

Comment:

- Apply laser therapy as soon as possible.
- Laser therapy has a quick analgesic effect, prevents edema development, and hastens absorption of hematoma.
- 8 Hz frequency can be sometimes chosen for its anti-edema effect.
- Immediately after the injury, a density of 1 J/cm^2 is sufficient.
- The analgesic effect should not be a reason to leave out fixation.

Diagnosis: **Enthesopathia**

Programme No: 0715, 0803



Recommended density (J/cm^2)	5.0 (3.0 – 8.0)
Recommended frequency (Hz)	10.0
Therapy time at max. output (in min.)	0.32
Number of treatments per week	daily
Number of treatments total	5 – 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

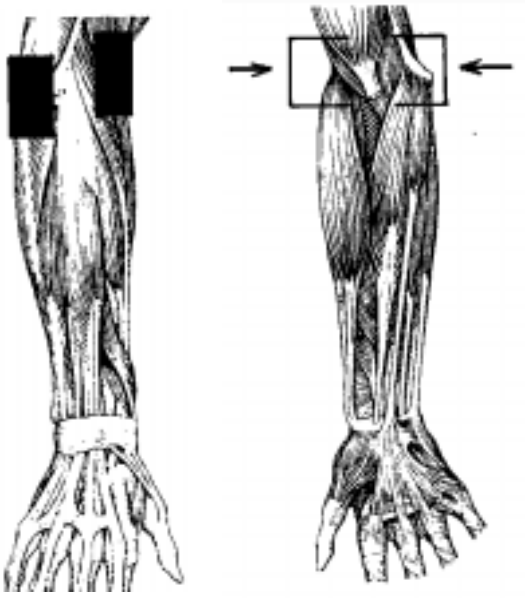
Comment:

- laser therapy has an analgesic effect.
- Irradiate affected area.

Diagnosis: Epicondylitis

(painful disease of epicondyles)

Programme No: 0716, 0717, 0907, 0908, 1004, 1005



Recommended density (J/cm^2)	7.0 (6.0 – 8.0)
Recommended frequency (Hz)	cont. 1st part of therapy 9.12 (10.0) 2nd part of therapy
Therapy time at max. output (in min.)	0.35 + 0.44
Number of treatments per week	2 – 3
Number of treatments total	10 (min. 6)
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

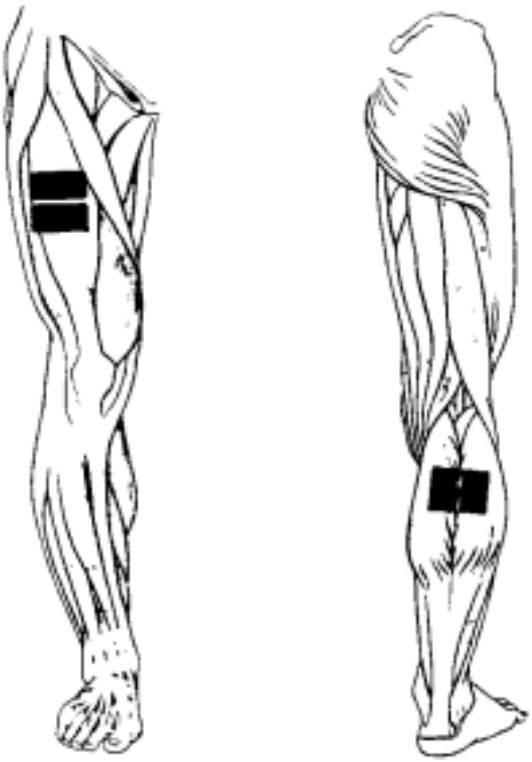
Comment:

- Combine continuous and pulse beam.
- Laser therapy has an analgesic and anti-phlogistic effect.
- Remember that epcondylitis is usually caused by a problem in the neck part of the spine, which requires rehabilitative therapy.
- Sufficient laser power is necessary.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: **Haematoma**

(Hematoma)

Programme No: 1006



Recommended density (J/cm^2)	1.0
Recommended frequency (Hz)	6.0 (8.0)
Therapy time at max. output (in min.)	0.44
Number of treatments per week	5
Number of treatments total	3 – 10
Recommended BTL probe	red
Recommended output of BTL probe	30 mW

Comment:

- Acute hematoma
  Application: frequency 6 Hz, density 3 J/cm^2.
- Post-injury hematoma
  Application: frequency 8 Hz, density 1 J/cm^2.
- Suture hematoma
  Application: frequency 5-10 Hz; density 0.9-1 J/cm^2 (if very painful, 1-4 J/cm^2). Irradiate around the suture.

Diagnosis: Chondropathia patelly

(patella cartilage disease)

Programme No: 0718, 0909

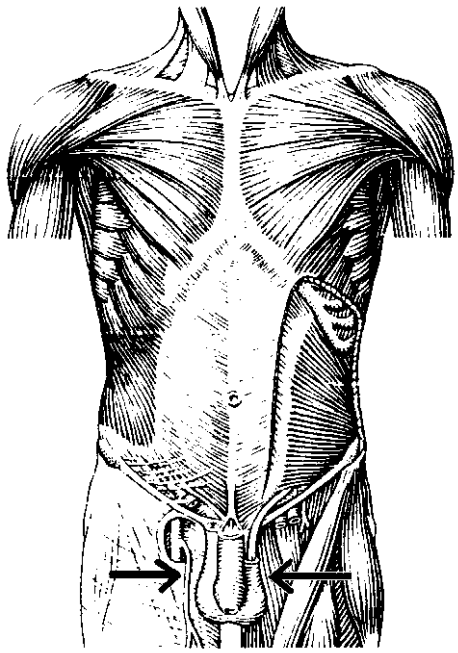
Recommended density (J/cm^2)	3.0 (2.0 – 4.0)
Recommended frequency (Hz)	10.0
Therapy time at max. output (in min.)	0.19
Number of treatments per week	varies
Number of treatments total	6 – 8
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

Comment:

- Irradiate the affected areas.

Diagnosis: Induratio penis plastica

Programme No: 0719, 0720, 0804, 0805



Recommended density (J/cm^2)	4.0 (2.0 – 6.0)
Recommended frequency (Hz)	cont. 1st part of therapy 5.0 (5.54, 4.5) 2nd part of therapy
Therapy time at max. output (in min.)	0.20 + 0.25
Number of treatments per week	2 – 3
Number of treatments total	min. 8 – 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

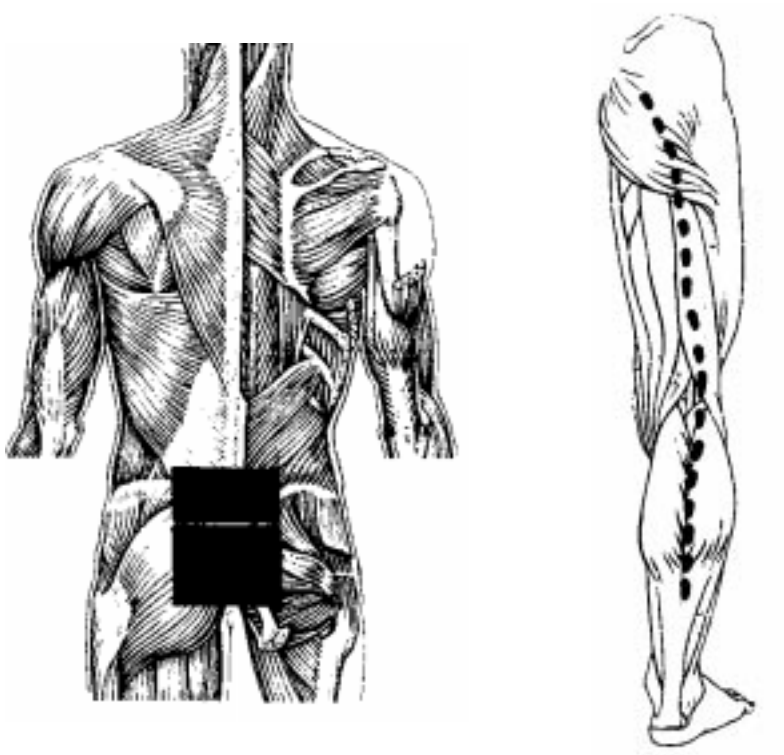
Comment:

- First results occur after 5 – 6 therapies.
- Apply continuous mode combined with pulse frequency.
- Laser therapy brings relaxation, fibroblast activation, fibrin absorption and an antiphlogistic effect.
- Therapy relieves subjective problems and causes loosening of the contracture.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: **Ischialgia**

(ischialgia)

Programme No: 0721, 0806



Recommended density (J/cm^2)	5.0 (4.0 – 6.0)
Recommended frequency (Hz)	9.12
Therapy time at max. output (in min.)	0.32
Number of treatments per week	4
Number of treatments total	12
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

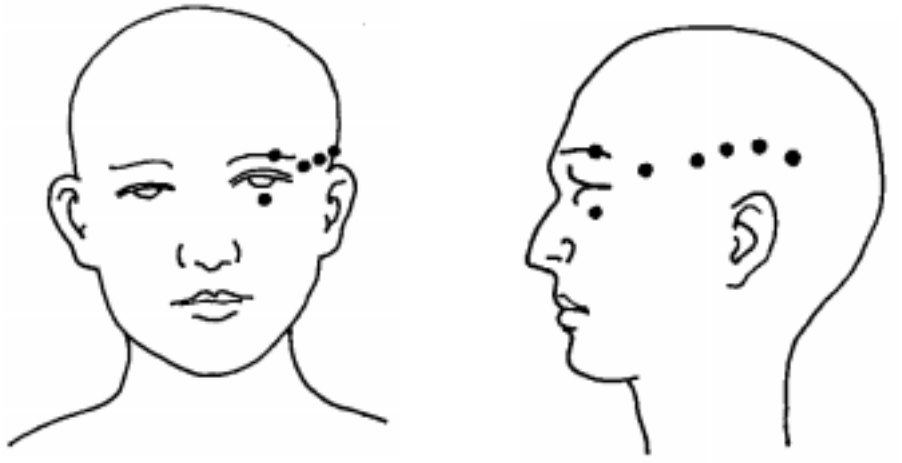
Comment:

- Irradiate at location of ischialgia, L4 - L5 or L5 - S1.
- Irradiate along the nerve and painful points of the paravertebral muscles, Valleix points along the whole nerve, homo-laterally and contra-laterally.

Diagnosis: **Migraena**

(Migraine)

Programme No: 0807



Recommended density (J/cm^2)	3.0
Recommended frequency (Hz)	9.12 (10.0)
Therapy time at max. output (in min.)	0.19
Number of treatments per week	1 – 2
Number of treatments total	6 – 12
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

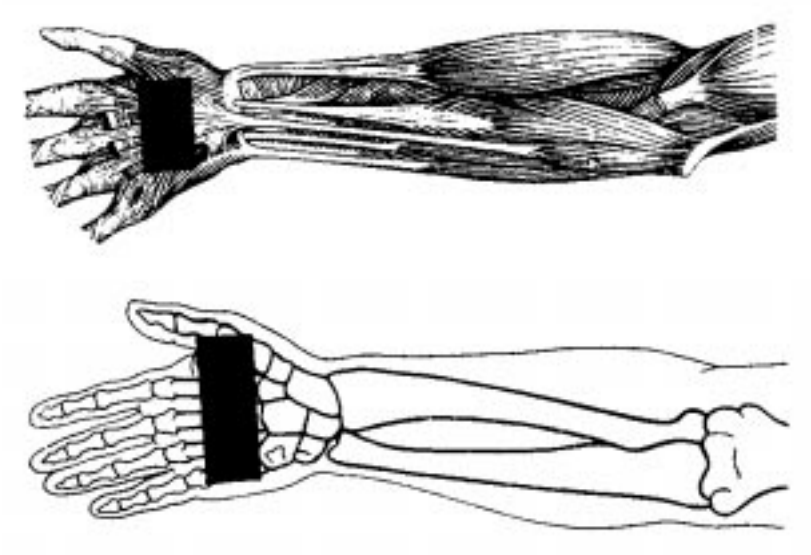
Comment:

- Irradiate infraorbital points, temporal point, painful area of the squamous part of the temple bone.
- Irradiate as soon as pain begins.
- Watch for a regressive reaction.
- It is necessary to physically treat the actual blockage in the C-spine and to reflexively treat the muscles with laser therapy.

Diagnosis: **Morbus Dupuytrene**

(Dupuytrene's contracture)

Programme No: 0722, 0723, 0808, 0809



Recommended density (J/cm^2)	4.0 (2.0 – 6.0)
Recommended frequency (Hz)	cont. 1st part of therapy 5.0 (5.54, 4.5) 2nd part of therapy
Therapy time at max. output (in min.)	0.20 + 0.25
Number of treatments per week	2 – 3
Number of treatments total	min. 8 – 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

Comment:

- First results occur after 5 or 6 therapy sessions.
- Combine continuous mode with pulse frequency.
- Laser therapy brings relaxation, fibroblast activation, fibrin absorption and antiphlogistic effect.
- Relieves subjective problems and causes loosening of the contracture.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

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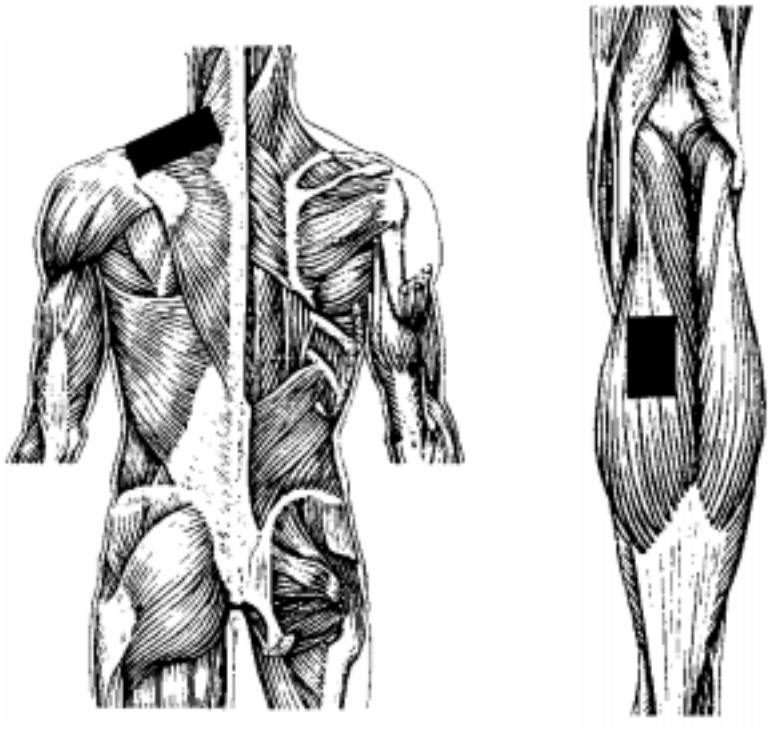
Diagnosis: Myorelaxatio

(myorelaxation, loosening of muscle tension)

Programme No: 0724



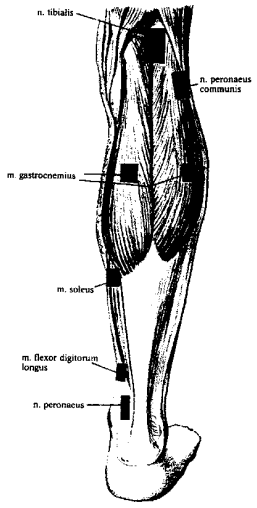
Recommended density (J/cm^2)	7.0 (6.0 – 8.0)
Recommended frequency (Hz)	10.0 (9.8)
Therapy time at max. output (in min.)	0.44
Number of treatments per week - acuta	once daily
Number of treatments total	5 (min. 2 - 3)
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

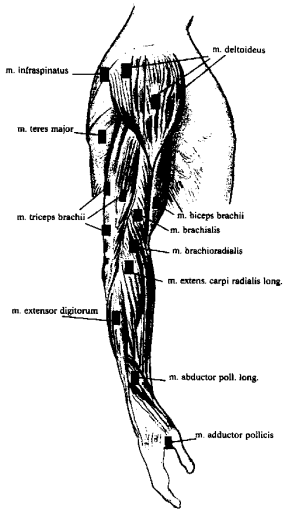
Comment:

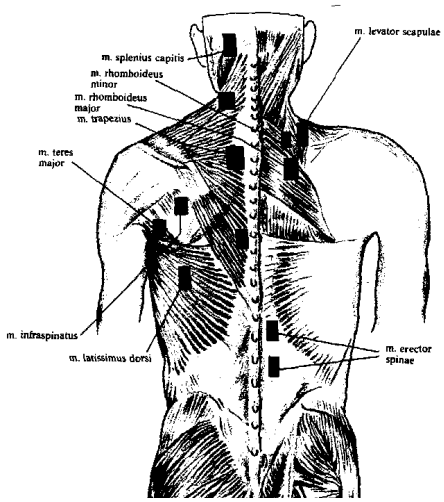
- Laser therapy has an analgesic effect, and causes myorelaxation and edema regression.
- Results occur after the first treatment.
- Apply to the area of the muscle contracture.

Diagnosis: Neuralgia

Programme No: 0810







Recommended density (J/cm^2)	3.0 (3.0 – 4.0)
Recommended frequency (Hz)	4.56 (10.0)
Therapy time at max. output (in min.)	0.19
Number of treatments per week	daily – 3x per week
Number of treatments total	varies
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

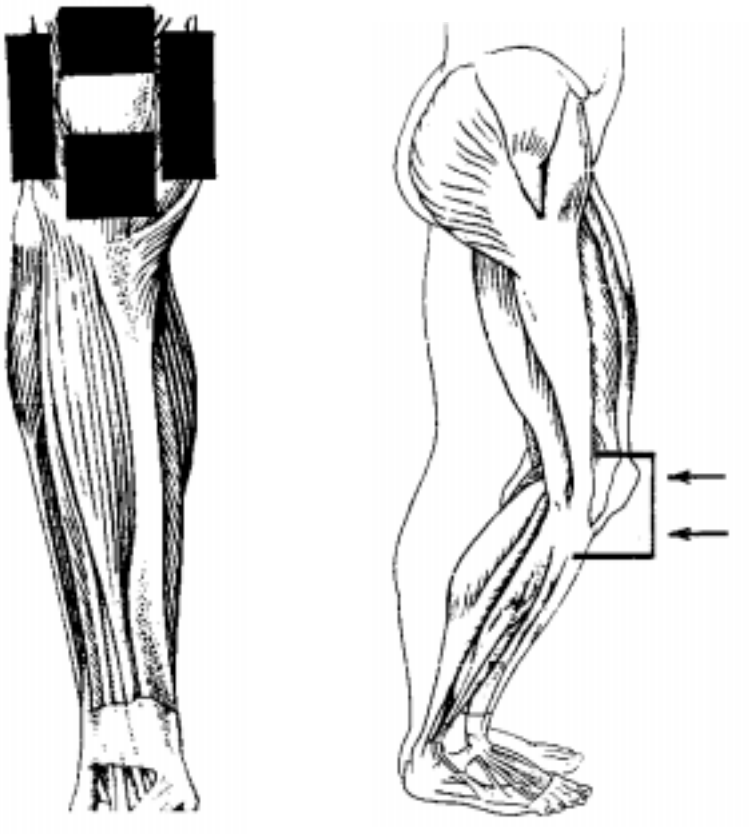
Comment:

- Irradiate trigger points and hyperallergic areas, paravertebral points and acupuncture points.
- Very good results with laser therapy are achieved with neuralgia that have active scar tissues as a cause.
- Apply laser therapy also for post-therapeutic neuralgia, where herpetic blisters and acupuncture points are irradiated.
- Trigeminal neuralgia - see separate entry.
- Additional neurological indications: cephalaea, migraine, poly-neuritis, tics, Menier disease, vertigo, apathy, depressive states, hysteria, neurasthenia, stammering, night hyperhydrosis, loss of concentration, enuresis.
- The desired effect does not always meet expectations.

Diagnosis: **Oedema**

(swelling)

Programme No: 0725



Recommended density (J/cm^2)	2.0
Recommended frequency (Hz)	2.4 (cont. + 4.56)
Therapy time at max. output (in min.)	0.12
Number of treatments per week	3 – 5
Number of treatments total	5 – 15
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

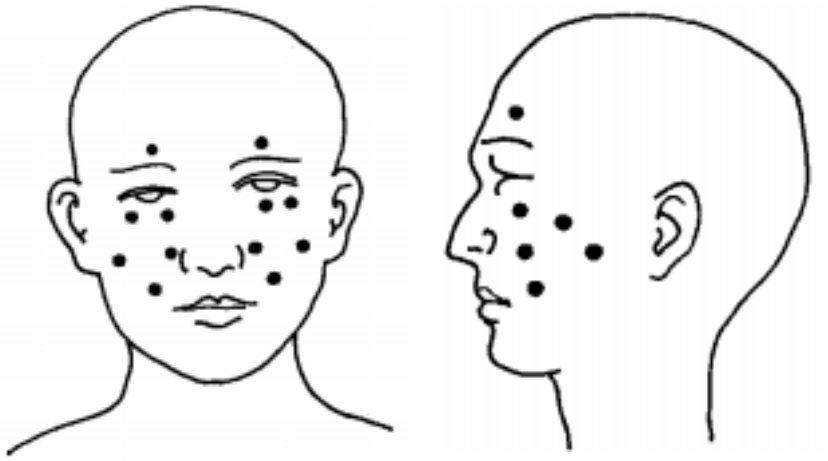
Comment:

- Irradiate the affected areas.

Diagnosis: Paresis nervi facialis

(partial face paralysis)

Programme No: 0811



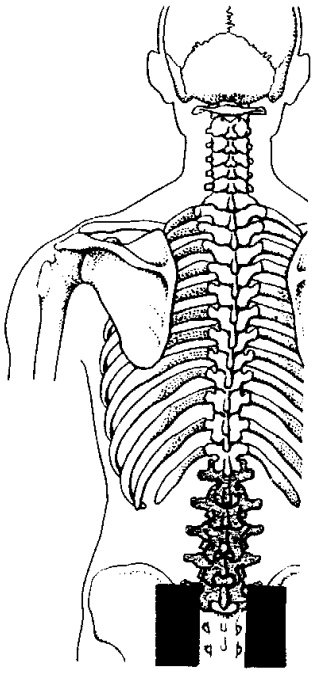
Recommended density (J/cm^2)	2.0
Recommended frequency (Hz)	4.56 (10.0)
Therapy time at max. output (in min.)	0.12
Number of treatments per week	3
Number of treatments total	10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

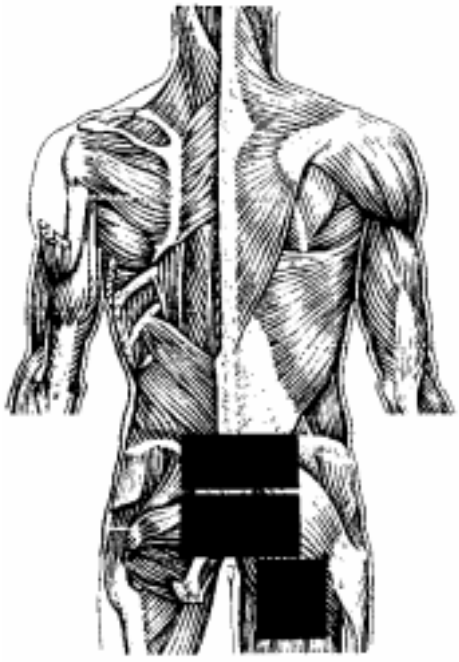
Comment:

- Use classic motor points.
- Torpid conditions are sometimes positively affected.

Diagnosis: **Sacralgia**

Programme No: 0726





Recommended density (J/cm^2)	10.0
Recommended frequency (Hz)	9.12 (10.0)
Therapy time at max. output (in min.)	1.04
Number of treatments per week	3
Number of treatments total	12
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

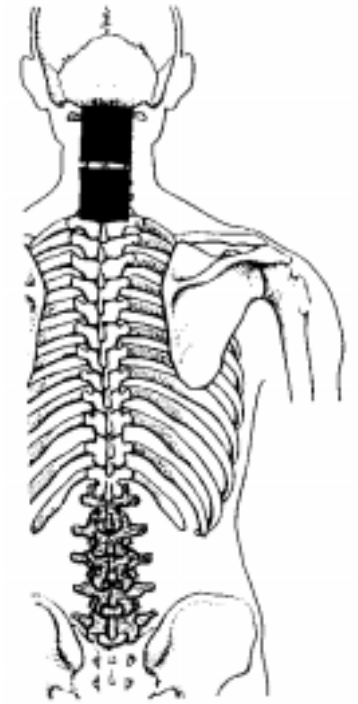
Comment:

- Irradiate lumbo-sacral joints, from upper to lower spine, also contra-laterally to the sacro-iliac.
- Use laser prior to manipulation therapy on the blockage.

Diagnosis: Spina dorsalis (Dorsalgia)

(spine)

Programme No: 0727, 0728



Recommended density (J/cm^2)	9.0 (7.0 – 10.0)
Recommended frequency (Hz)	cont. 1st part of therapy 10.0 (9.12, 8.2) 2nd part of therapy
Therapy time at max. output (in min.)	0.46 + 0.57
Number of treatments per week - acuta	2 – 3 daily
Number of treatments total	6 – 10 (minimum of 5)
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

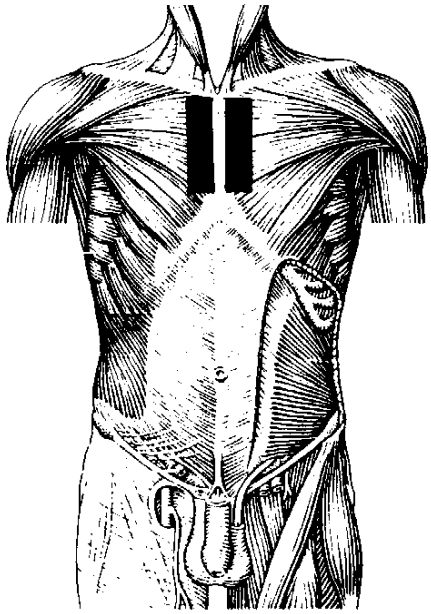
Comment:

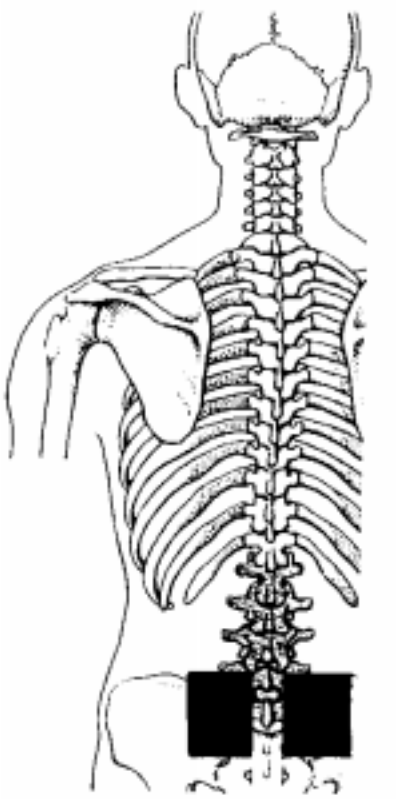
- Laser therapy has an analgesic effect and myorelaxation.
- Analgesic effect results occur after first procedure.
- For acute pain, provide laser therapy daily.
- Sometimes combined with magnetic pulse field.
- Irradiate the part of spine that is affected.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: Spondylarthritis acylopoetica

(inflammation of vertebral joints)

Programme No: 0729, 0730





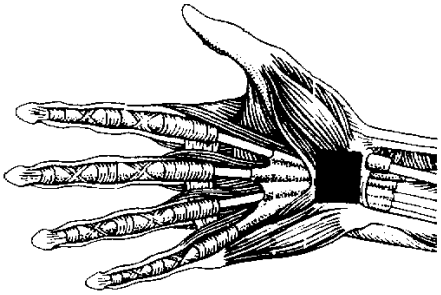
Recommended density (J/cm^2)	5.0 (2.0 – 6.0)
Recommended frequency (Hz)	cont. 1st part of therapy 10.0 (9.3) 2nd part of therapy
Therapy time at max. output (in min.)	0.25 + 0.32
Number of treatments per week	varies
Number of treatments total	6 – 8
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

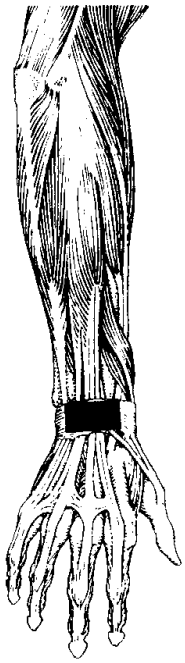
Comment:

- Acute pain: irradiate area of the affected joint.
- Use continuous mode and frequency of 10 Hz for pain; if there is no pain, use continuous mode at 5 Hz.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: Sy. canali carpi

Programme No: 0731





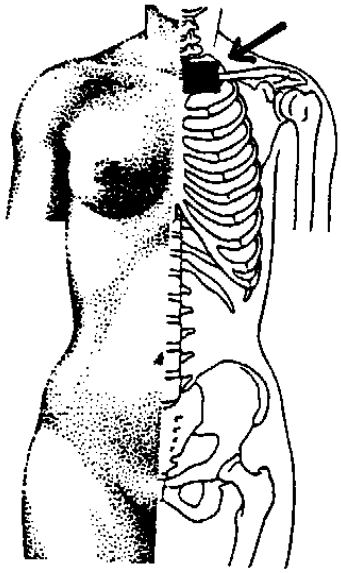
Recommended density (J/cm^2)	4.0 (3.0 – 5.0)
Recommended frequency (Hz)	9.12 (10.0)
Therapy time at max. output (in min.)	0.25
Number of treatments per week	2
Number of treatments total	5 – 8
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

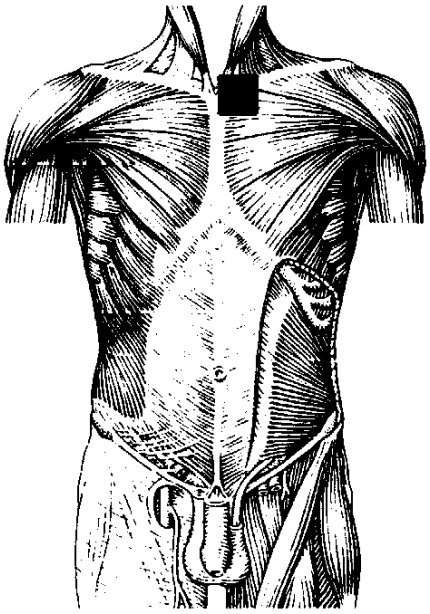
Comment:

- Apply laser therapy in the initial stages of the condition.
- Irradiate the annular ligament of the wrist.
- Laser therapy does not eliminate the cause, but it is a decompression radiation with an anti-inflammatory effect.
- Irradiate for anti-inflammatory effect prior to and post surgery.
- It is beneficial to use both analgesic frequency and the anti-edema frequency in the same therapy session.
- Important to diagnose the degree of the affection according to an EMG.

Diagnosis: Sy. Tietz

Programme No: 0732, 0733





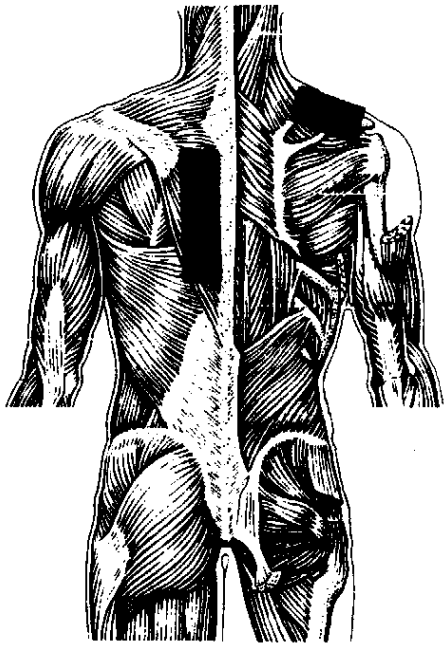
Recommended density (J/cm^2)	7.0 (6.3 – 8.0)
Recommended frequency (Hz)	cont. 1st part of therapy 9.12 2nd part of therapy
Therapy time at max. output (in min.)	0.35 + 0.44
Number of treatments per week	1 – 2
Number of treatments total	5 – 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

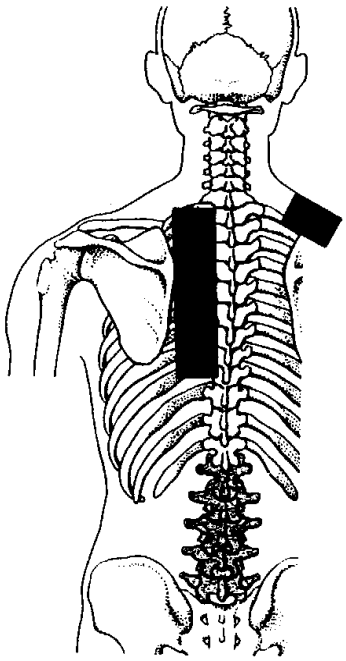
Comment:

- Laser therapy has an excellent clinical effect.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: Sy. vertebralis

Programme No: 0734





Recommended density (J/cm^2)	3.0
Recommended frequency (Hz)	9.12 (10.0)
Therapy time at max. output (in min.)	0.19
Number of treatments per week	2 – 3
Number of treatments total	5 - 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

Comment:

- Irradiate only the points where myogeloses occurs.
- Laser therapy has an analgesic and myorelaxation effect.
- Laser therapy as pre-medication has good results before using myoskeletal treatment.

Diagnosis: **Tendopathia**

(tendon inflammation)

Programme No: 0735, 0736

Recommended density (J/cm^2)	4.0 (2.0 – 6.0)
Recommended frequency (Hz)	cont. 1st part of therapy 10.0 (9.12) 2nd part of therapy
Therapy time at max. output (in min.)	0.20 + 0.25
Number of treatments per week - acuta	2 – 3 daily
Number of treatments total	8 - 10 (min. 5)
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

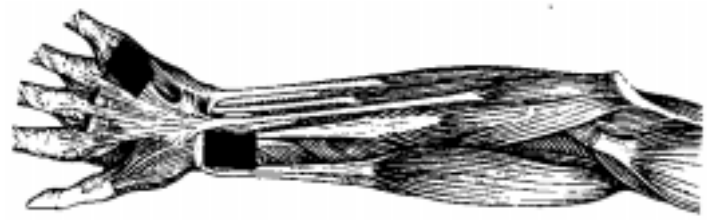
Comment:

- Irradiate as in post-surgical states.
- Laser therapy has an analgesic, anti-edema effect and hastens healing.
- Analgesic effect is obvious after first therapy session.
- Acute cases: irradiate daily.
- Sometimes combined with a magnetic pulse field.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: **Tendovaginitis**

(tendon inflammation)

Programme No: 0737, 0738



Recommended density (J/cm^2)	4.0 (2.0 – 6.0)
Recommended frequency (Hz)	Cont. 1st part of therapy 10.0 (9.12) 2nd part of therapy
Therapy time at max. output (in min.)	0.20 + 0.25
Number of treatments per week - acuta	2 – 3 daily
Number of treatments total	8 - 10 (min. 5)
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

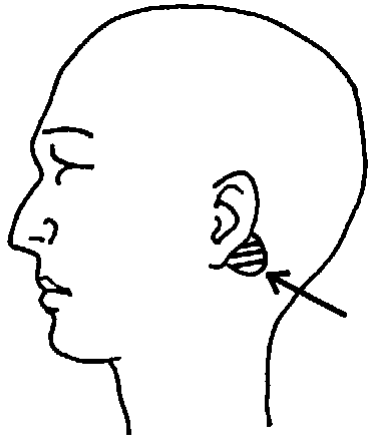
Comment:

- Irradiate as in post-surgical states.
- Laser therapy has an analgesic, anti-edema effect and hastens healing.
- Analgesic effect is obvious after first therapy session.
- Acute cases: irradiate daily.
- Sometimes combined with a magnetic pulse field.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.

Diagnosis: **Tinnitus**

(noise in the ears)

Programme No: 0615, 0616



Recommended density (J/cm^2)	10.0 (10.0 - 12.0)
Recommended frequency (Hz)	cont. 1st part of therapy 5.0 (9.12) 2nd part of therapy
Therapy time at max. output (in min.)	0.51 + 1.04
Number of treatments per week	1 – 2
Number of treatments total	5 – 10
Recommended BTL probe	infrared
Recommended output of BTL probe	200 mW

Comment:

- Combine treatment with manipulative therapy of the spine.
- Irradiate mastoid areas.
- Focus laser beam in the direction of the opposite orbit.
- 1st part of therapy and 2nd part of therapy should be understood as two parts of one therapy session.